

WHAT IS CLAIMED IS:

1. A décor sheet for the manufacture of a decorative laminate, said décor sheet comprising paper having a print on a surface thereof and wherein said print is tenaciously adhered to said surface by the presence of a mordant.
2. The décor sheet of claim 1 wherein said paper sheet is formed of cellulose.
3. The décor sheet of claim 1 wherein said paper is impregnated with a thermosettable resin.
4. The décor sheet of claim 3, further comprising a protective overcoating comprising said resin and abrasion resistant particles.
5. The décor sheet of claim 1 wherein said mordant is impregnated within said paper.
6. The décor sheet of claim 1 wherein said mordant is selected from the group consisting of citric acid, aluminum phosphate, sodium formate, calcium acetate and aluminum phosphate.
7. The décor sheet of claim 1 wherein said print is from a water-based ink.

8. In a decorative laminate comprising a substrate and a décor sheet laminated to said substrate, the improvement wherein said décor sheet is in accordance with claim 1.

9. The laminate of claim 8 which is a low-pressure board.

10. The laminate of claim 8 which is a high pressure decorative laminate.

11. The high pressure decorative laminate of claim 10 having a protective overcoating comprising particles of an abrasion resistant mineral.

12. The high pressure decorative laminate of claim 11 wherein said abrasion resistant mineral particles comprise larger particles and smaller particles, said smaller particles having a mean particle diameter of approximately one-half of said large particles.

13. The high pressure decorative laminate of claim 12 wherein said larger particles are alumina particles of a mean particle size of approximately 30-35 μ m, and said smaller particles are silica gel particles.

14. A method for preparing a décor sheet in accordance with claim 1 for use in the manufacture of a decorative laminate, comprising:

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providing décor paper with a pattern printed on a surface thereof; and

treating said surface printed décor paper with a mordant.

15. The method of claim 14 further comprising impregnating said décor paper with a thermosettable resin.

16. The method of claim 15 wherein said mordant is incorporated within an impregnating solution of said thermosettable resin, and wherein said treatment of said décor sheet with said mordant is carried out by impregnating said décor sheet with said thermosettable solution containing said mordant.

17. The method of claim 15 wherein said treatment with said mordant is carried out before said impregnating.

18. The method of claim 14 wherein the mordant is selected from the group consisting of aluminum phosphate, calcium acetate, aluminum sulfate, sodium formate, zirconium salts, potassium aluminum sulfate, potassium dichromate or bichromate, copper sulfate, ferrous sulfate, stannous chloride, sodium dithionite, sodium hydrosulfite, ammonium hydroxide, potassium bitartrate, sodium sulfate, calcium oxide, sodium hydroxide, oxalic acid, tannic acid, urea, acetic acid, sodium carbonate, iron salts, copper salts, tin

salts, citric acid, calcium acetate and mixtures thereof.

19. A decorative laminate consisting of a rigidity imparting core layer and a decorative paper sheet having a printed pattern on a surface thereof and impregnated with a thermoset resin, wherein the decorative paper sheet has been treated with a mordant.

20. The decorative laminate according to claim 19 wherein the mordant is selected from the group consisting of aluminum phosphate, calcium acetate, aluminum sulfate, sodium formate, zirconium salts, potassium aluminum sulfate, potassium dichromate or bichromate, copper sulfate, ferrous sulfate, stannous chloride, sodium dithionite, sodium hydrosulfite, ammonium hydroxide, potassium bitartrate, sodium sulfate, calcium oxide, sodium hydroxide, oxalic acid, tannic acid, urea, acetic acid, sodium carbonate, iron salts, copper salts, tin salts, citric acid, and mixtures thereof.

21. The decorative laminate according to claim 19 wherein the mordant is applied in an amount of from about 0.0045 to 0.28 g/m² of paper.

22. The decorative laminate according to claim 19 wherein the laminate is a high pressure laminate.

23. The decorative laminate according to claim 19
wherein the laminate is a low pressure laminate.